

Apostol Chokoev

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SUMMARY

Data Warehouse Administrator and Software Engineer at a Fortune 500 telecommunications company, specializing in AI automation, document processing systems, and backend architecture. Led development of enterprise OCR solution processing 70,000+ documents and delivering \$350K in cost savings. Currently exploring algorithmic trading, property technology, and AI-powered legal solutions.

TECHNICAL SKILLS

Languages: Python, TypeScript, C#, SQL

Backend & APIs: FastAPI, Flask, RESTful APIs, Alembic ORM

Frontend & Mobile: React Native, [React.js](https://reactjs.org/), Streamlit

Databases: PostgreSQL, SQL Server, MongoDB

Cloud & DevOps: AWS (EC2, RDS, S3), GitHub Actions, CI/CD, Docker

AI/ML: OpenAI GPT-4, Anthropic Claude, Tesseract OCR, Document Processing

Tools & Practices: Git, Agile/Scrum, SOLID Principles, Code Reviews, Interactive Brokers TWS API

PROFESSIONAL EXPERIENCE

Data Warehouse Administrator & Software Engineer | SBA Communications | Florida | June 2021 – Present

AI & Automation Leadership

- Architected and deployed enterprise OCR automation system processing 70,000+ documents, eliminating manual data entry workflows and delivering \$350,000 in projected cost savings
- Built comprehensive document preprocessing pipeline including watermark removal, orientation correction, and color enhancement for optimal OCR accuracy across diverse document types
- Implemented handwritten text recognition solution using Databricks and Claude Opus 4.5, achieving 97%+ accuracy on mixed documents containing both printed and handwritten text
- Integrated OCR output with GPT-4 to enable AI-driven document analysis and automated workflow processing
- Created reusable OCR toolkit adopted across engineering team for distributed processing and document automation workflows

Data Warehouse & Analytics Engineering

- Automated weekly analytics reports using Python, Haversine formula, and K-Nearest Neighbors algorithm—reducing runtime from 60 minutes to 7 minutes
- Develop Python automation scripts for data processing, validation, and reporting workflows

Team Leadership & Development

- Lead team of 3-5 engineers, conducting code reviews and mentoring on SOLID principles, clean architecture, and best practices
 - Collaborate on cross-functional projects requiring coordination between data, backend, and mobile development teams
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PROJECTS

BidMap - Service Marketplace Platform | 2024 – Present

- Building multi-sided marketplace connecting clients, vendors, and workers using React Native frontend with FastAPI backend
- Architected complete backend infrastructure with PostgreSQL database, Alembic ORM migrations, and RESTful API design
- Designed role-based authentication system, bid management workflows, job tracking, and location-based features
- Built CI/CD pipeline using GitHub Actions for automated testing and AWS deployments

Algorithmic Trading Bot | 2024 – Present

- Developed profitable live forex trading system using Interactive Brokers TWS API with Python
- Implemented Bollinger Bands mean reversion strategy with proper risk management and position sizing
- Transitioned from paper trading to live trading with \$2,500 capital, achieving consistent returns
- Built real-time data processing pipeline for currency pair analysis and automated trade execution

CaseSolverAI - Legal Document Assistant | 2024 – Present | casesolverai.com

- Built AI-powered legal document assistant for Bulgarian legal market using Anthropic's Claude API
 - Developed OCR engine optimized for Slavic character recognition with preprocessing pipeline for complex legal document formats
 - Integrated Claude API for intelligent document analysis, legal question answering, and automated document generation
 - Enables users to upload legal documents, ask questions about Bulgarian law, and download formatted Word documents
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EDUCATION

Bachelor of Science in Software Engineering

Miami Dade College | Miami, FL | 2019 – 2023